SPORT & RECREATIONAL OPTICS

LASER SIGHT INSTRUCTIONS

ATTENTION

THIS LASER TARGET DESIGNATOR IS A POWERFUL DEVICE THAT REQUIRES SPECIAL ATTENTION FOR ITS USE. READ THE FOLLOWING INSTRUCTIONS AND SAFETY PRECAUTIONS CAREFULLY BEFORE USE.

CAUTION: USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

AVOID DIRECT EYE EXPOSURE TO THE LASER BEAM.

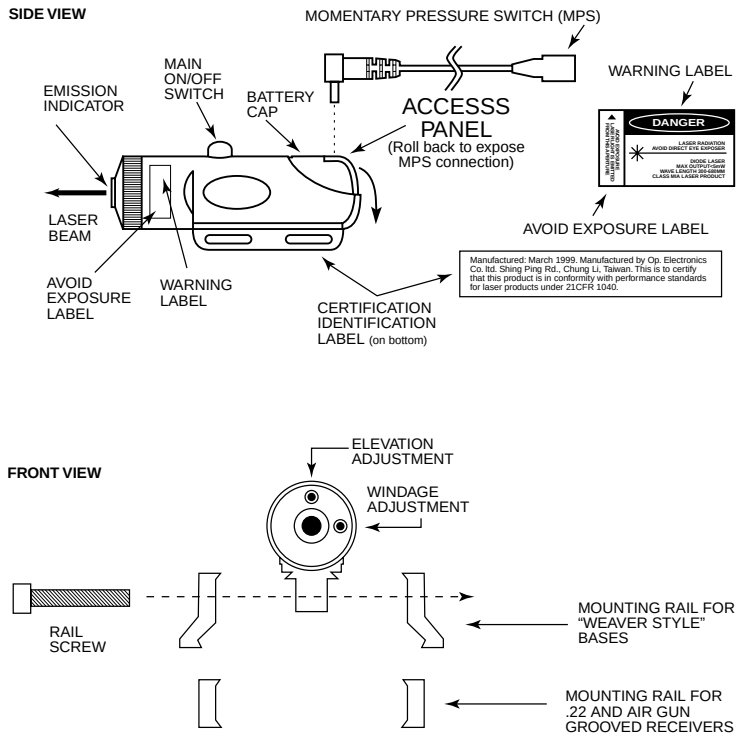
KEEP OUT OF THE REACH OF CHILDREN.

Congratulations on your purchase of this laser-aiming device. It is a high quality device incorporating advanced laser optics and microelectronics. With proper use and care, it should provide you with many years of reliable service.

SPECIFICATIONS

650 nm index-guided laser diode
Class 3a (<5mW) output power
Three LR44 lithium batteries
Advanced composite body
Momentary pressure switch, 8" in length
Mounting rail for 3/8" grooved receiver (airguns and .22 rifles)
Mounting rail for .852" "weaver-style" bases
Large hex head wrench
Small hex head wrench
Visible range: Indoor Lighting Conditions: 100 yards
Outdoors at night: 300 yards
Range of windage and elevation adjustment: more than 60 inches at 100 yards.

FIG. 1



1. SELECTING THE CORRECT RAIL MOUNT FOR YOUR GUN

The laser attaches to either a 3/8" grooved receiver, found on most, .22 rifles and air guns, or to a .852" "weaver-style" base as installed on most centerfire pistols and rifles.

The laser is shipped with the mounting rails for a "weaver-style" mount already installed. If you need to attach this device to a 3/8" grooved receiver, you will need to loosen the two rail screws and remove the 3/8" dovetail mounting rail and replace it with the "weaver-style" set.

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2. ATTACHING THE CORRECT MOUNT TO THE DEVICE

WARNING: BE CERTAIN THAT YOUR GUN IS UNLOADED AND POINTING IN A SAFE DIRECTION.

Simply slide the appropriate rail onto your gun and tighten it into place utilizing the two rail attaching screws and the larger of the two supplied hex head wrenches. Note the "weaver-style" rail utilizes a lock screw to prevent its slippage under recoil. This lock screw should be fit into the groove found on most "weaver-style" mounts. To prevent the loosening of any of these screws under recoil, the use of a thread-locking compound is recommended.

3. ACTIVATING THE LASER

WARNING: DO NOT LOOK DIRECTLY INTO THE LASER BEAM OUTPUT APERTURE DURING OPERATION. PERMANENT EYE DAMAGE MAY RESULT.

3. A. Installing the batteries

Your new laser is powered by three long-life lithium batteries. They may be found in the small plastic bag with the wrenches and momentary pressure switch. To install the batteries, locate the pressure switch access panel and rotate it down into the body of the laser. Then, push down on the front of the battery cap and slide it back, off of the body of the laser. Next, insert the batteries into the battery holder with the "+" side up. Slide the battery cap back into place.

3.B. Main on-off switch

With this switch, you may turn the laser on or off.

3.C. Momentary Pressure Switch

This switch allows you to turn the unit on or off with pressure. The pressure switch access panel at the rear of the device must first be opened. Open this panel by applying pressure on its top and rotating it down. Push the pin connector on the end of the pressure switch firmly into the port. The pressure pad has an adhesive on its end and may be attached to a convenient location on your gun.

3.D. Emission indicator

Your laser is equipped with an emission indicator at the end that the laser projects from. The indicator glows red when the laser is functioning. If you do not wish to use the indicator, it may be removed by simply pulling it free from the body.

4. ALIGNING THE LASER WITH THE PATH OF THE BULLET

WARNING: DO NOT LOOK DIRECTLY INTO THE LASER BEAM OUTPUT APERTURE DURING OPERATION. PERMANENT EYE DAMAGE MAY RESULT.

WARNING: EXERCISE SAFE GUN HANDLING. SHOOT ONLY AT AN APPROVED RANGE OR SUITABLE LOCATION. USE EYE AND EAR PROTECTION AS NECESSARY.

4A. Activate the laser by either the pressure switch or the main switch.

4B. Carefully fire three shots.

4C. Observe the bullet's strike on the target. To move the point of impact, there are two screw ports at the front of the device. The one marked "E" will move the point of impact up and down (Elevation) and the one marked "W" will move the point of impact left and right (Windage).

(Continued on next page)

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4.D. With the smaller of the two included hex wrenches, make the appropriate adjustments. When adjusting windage, rotating the screw clockwise (as viewed from behind the device) will move the dot to the right and your point of impact to the left. When adjusting elevation, rotating the screw clockwise (as viewed from behind the device)
will move the dot down and your point of impact up. Note that the adjustments are very sensitive. One half rotation, 180 degrees, will provide approximately 15 inches of movement at 25 yards. After adjustment, carefully fire three more shots and note their strike on the target. Make additional adjustments as necessary.

5. REPLACING THE BATTERIES

The batteries included with your laser target designator will provide long service. However, should the dot grow dim, the batteries may need to be replaced. To do so, remove the battery cap as detailed in section 3. A.. Next, turn the device up side down and the batteries should fall out. Should the batteries fail to fall free, gently press on the side of the top of the battery with a pen point, toothpick, or similar probe.

For further safety information regarding lasers, refer to ANSI-Z136.1 STANDARD FOR THE SAFE USE OF LASERS, available from the Laser Institute of America at (407) 380-1553 or from BSA Optics, Inc.

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